

# Roger D Kouyos

## List of Publications by Citations

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189  
papers

3,958  
citations

34  
h-index

55  
g-index

234  
ext. papers

5,106  
ext. citations

6.8  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
189	Population biological principles of drug-resistance evolution in infectious diseases. <i>Lancet Infectious Diseases, The</i> , <b>2011</b> , 11, 236-47	25.5	150
188	Molecular epidemiology reveals long-term changes in HIV type 1 subtype B transmission in Switzerland. <i>Journal of Infectious Diseases</i> , <b>2010</b> , 201, 1488-97	7	145
187	Estimating the basic reproductive number from viral sequence data. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 347-57	8.3	136
186	Epistasis between deleterious mutations and the evolution of recombination. <i>Trends in Ecology and Evolution</i> , <b>2007</b> , 22, 308-15	10.9	124
185	Contribution of a mutational bias in hepatitis C virus replication to the genetic barrier in the development of drug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20509-13	11.5	119
184	The state of affairs in the kingdom of the Red Queen. <i>Trends in Ecology and Evolution</i> , <b>2008</b> , 23, 439-45	10.9	119
183	Ambiguous nucleotide calls from population-based sequencing of HIV-1 are a marker for viral diversity and the age of infection. <i>Clinical Infectious Diseases</i> , <b>2011</b> , 52, 532-9	11.6	99
182	Determinants of HIV-1 broadly neutralizing antibody induction. <i>Nature Medicine</i> , <b>2016</b> , 22, 1260-1267	50.5	99
181	Phylogenetic approach reveals that virus genotype largely determines HIV set-point viral load. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1001123	7.6	91
180	Low-frequency drug-resistant HIV-1 and risk of virological failure to first-line NNRTI-based ART: a multicohort European case-control study using centralized ultrasensitive 454 pyrosequencing. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 930-40	5.1	86
179	Stochastic or deterministic: what is the effective population size of HIV-1?. <i>Trends in Microbiology</i> , <b>2006</b> , 14, 507-11	12.4	78
178	Exploring the complexity of the HIV-1 fitness landscape. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002551	6	77
177	Prolonged persistence of measles virus RNA is characteristic of primary infection dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 14989-94	11.5	77
176	Treatment-naive individuals are the major source of transmitted HIV-1 drug resistance in men who have sex with men in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 58, 285-94	11.6	67
175	Inferring epidemic contact structure from phylogenetic trees. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002413	6.7	67
174	Bottleneck-induced transitions in a minimal model for intracellular transport. <i>Physical Review E</i> , <b>2006</b> , 74, 031906	2.4	64
173	The path of least resistance: aggressive or moderate treatment?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20140566	4.4	63

172	Hepatitis C virus transmission among human immunodeficiency virus-infected men who have sex with men: Modeling the effect of behavioral and treatment interventions. <i>Hepatology</i> , <b>2016</b> , 64, 1856-1869	11.2	61
171	Cycling empirical antibiotic therapy in hospitals: meta-analysis and models. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004225	7.6	60
170	The role of migration and domestic transmission in the spread of HIV-1 non-B subtypes in Switzerland. <i>Journal of Infectious Diseases</i> , <b>2011</b> , 204, 1095-103	7	60
169	Rapid parasite adaptation drives selection for high recombination rates. <i>Evolution; International Journal of Organic Evolution</i> , <b>2008</b> , 62, 295-300	3.8	58
168	Frequency and Spectrum of Unexpected Clinical Manifestations of Primary HIV-1 Infection. <i>Clinical Infectious Diseases</i> , <b>2015</b> , 61, 1013-21	11.6	56
167	Persistence of transmitted HIV-1 drug resistance mutations associated with fitness costs and viral genetic backgrounds. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004722	7.6	52
166	Determinants of HIV-1 reservoir size and long-term dynamics during suppressive ART. <i>Nature Communications</i> , <b>2019</b> , 10, 3193	17.4	50
165	Assessing the Paradox Between Transmitted and Acquired HIV Type 1 Drug Resistance Mutations in the Swiss HIV Cohort Study From 1998 to 2012. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212, 28-38	7	49
164	HIV-1 Transmission During Recent Infection and During Treatment Interruptions as Major Drivers of New Infections in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 62, 115-122	11.6	43
163	Can we believe the DAGs? A comment on the relationship between causal DAGs and mechanisms. <i>Statistical Methods in Medical Research</i> , <b>2016</b> , 25, 2294-2314	2.3	42
162	Hospital-community interactions foster coexistence between methicillin-resistant strains of <i>Staphylococcus aureus</i> . <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003134	7.6	42
161	Effect of varying epistasis on the evolution of recombination. <i>Genetics</i> , <b>2006</b> , 173, 589-97	4	42
160	Reasons for late presentation to HIV care in Switzerland. <i>Journal of the International AIDS Society</i> , <b>2015</b> , 18, 20317	5.4	41
159	Emergence of Acquired HIV-1 Drug Resistance Almost Stopped in Switzerland: A 15-Year Prospective Cohort Analysis. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 62, 1310-1317	11.6	39
158	Easy and accurate reconstruction of whole HIV genomes from short-read sequence data with shiver. <i>Virus Evolution</i> , <b>2018</b> , 4, vey007	3.7	38
157	Tracing HIV-1 strains that imprint broadly neutralizing antibody responses. <i>Nature</i> , <b>2018</b> , 561, 406-410	50.4	37
156	Informed switching strongly decreases the prevalence of antibiotic resistance in hospital wards. <i>PLoS Computational Biology</i> , <b>2011</b> , 7, e1001094	5	35
155	Five challenges in evolution and infectious diseases. <i>Epidemics</i> , <b>2015</b> , 10, 40-4	5.1	32

154	Assessing predicted HIV-1 replicative capacity in a clinical setting. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002321	7.6	32
153	The Red Queen and the persistence of linkage-disequilibrium oscillations in finite and infinite populations. <i>BMC Evolutionary Biology</i> , <b>2007</b> , 7, 211	3	32
152	High hepatic and extrahepatic mortality and low treatment uptake in HCV-coinfected persons in the Swiss HIV cohort study between 2001 and 2013. <i>Journal of Hepatology</i> , <b>2015</b> , 63, 573-80	13.4	31
151	Tracing HIV-1 transmission: envelope traits of HIV-1 transmitter and recipient pairs. <i>Retrovirology</i> , <b>2016</b> , 13, 62	3.6	31
150	An integrated approach to identifying international foodborne norovirus outbreaks. <i>Emerging Infectious Diseases</i> , <b>2011</b> , 17, 412-8	10.2	31
149	Successful Prevention of Transmission of Integrase Resistance in the Swiss HIV Cohort Study. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, 399-402	7	31
148	Quantifying the fitness cost of HIV-1 drug resistance mutations through phylodynamics. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006895	7.6	30
147	Recombination accelerates adaptation on a large-scale empirical fitness landscape in HIV-1. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004439	6	28
146	Hepatitis C Infection and the Risk of Non-Liver-Related Morbidity and Mortality in HIV-Infected Persons in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 64, 490-497	11.6	28
145	Clustering of HCV coinfections on HIV phylogeny indicates domestic and sexual transmission of HCV. <i>International Journal of Epidemiology</i> , <b>2014</b> , 43, 887-96	7.8	27
144	Rational design of HIV-1 fluorescent hydrolysis probes considering phylogenetic variation and probe performance. <i>Journal of Virological Methods</i> , <b>2010</b> , 165, 151-60	2.6	27
143	Dually Active HIV/HBV Antiretrovirals as Protection Against Incident Hepatitis B Infections: Potential for Prophylaxis. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, 599-606	7	26
142	Increases in Condomless Sex in the Swiss HIV Cohort Study. <i>Open Forum Infectious Diseases</i> , <b>2015</b> , 2, ofv077	11.7	26
141	On being the right size: the impact of population size and stochastic effects on the evolution of drug resistance in hospitals and the community. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1001334	7.6	26
140	The potential impact of coinfection on antimicrobial chemotherapy and drug resistance. <i>Trends in Microbiology</i> , <b>2015</b> , 23, 537-544	12.4	25
139	Factors associated with syphilis incidence in the HIV-infected in the era of highly active antiretrovirals. <i>Medicine (United States)</i> , <b>2017</b> , 96, e5849	1.8	25
138	Cost-effectiveness of low-dose CT screening for lung cancer in a European country with high prevalence of smoking-A modelling study. <i>Lung Cancer</i> , <b>2018</b> , 121, 61-69	5.9	25
137	The role of recombination for the coevolutionary dynamics of HIV and the immune response. <i>PLoS ONE</i> , <b>2011</b> , 6, e16052	3.7	24

136	Modelling the impact of deferring HCV treatment on liver-related complications in HIV coinfected men who have sex with men. <i>Journal of Hepatology</i> , <b>2016</b> , 65, 26-32	13.4	23
135	Distinct, IgG1-driven antibody response landscapes demarcate individuals with broadly HIV-1 neutralizing activity. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1589-1608	16.6	23
134	High Cure Rates With Grazoprevir-Elbasvir With or Without Ribavirin Guided by Genotypic Resistance Testing Among Human Immunodeficiency Virus/Hepatitis C Virus-coinfected Men Who Have Sex With Men. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, 569-576	11.6	22
133	Assessing the impact of adherence to anti-retroviral therapy on treatment failure and resistance evolution in HIV. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 2309-20	4.1	22
132	On the causes of selection for recombination underlying the red queen hypothesis. <i>American Naturalist</i> , <b>2009</b> , 174 Suppl 1, S31-42	3.7	22
131	Social meets molecular: Combining phylogenetic and latent class analyses to understand HIV-1 transmission in Switzerland. <i>American Journal of Epidemiology</i> , <b>2014</b> , 179, 1514-25	3.8	21
130	The role of epistasis on the evolution of recombination in host-parasite coevolution. <i>Theoretical Population Biology</i> , <b>2009</b> , 75, 1-13	1.2	21
129	Viral genetic variation accounts for a third of variability in HIV-1 set-point viral load in Europe. <i>PLoS Biology</i> , <b>2017</b> , 15, e2001855	9.7	21
128	Recombination and drug resistance in HIV: population dynamics and stochasticity. <i>Epidemics</i> , <b>2009</b> , 1, 58-69	5.1	20
127	Assessment of Overlap of Phylogenetic Transmission Clusters and Communities in Simple Sexual Contact Networks: Applications to HIV-1. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148459	3.7	20
126	Chemsex drugs on the rise: a longitudinal analysis of the Swiss HIV Cohort Study from 2007 to 2017. <i>HIV Medicine</i> , <b>2020</b> , 21, 228-239	2.7	19
125	Dissecting HIV Virulence: Heritability of Setpoint Viral Load, CD4+ T-Cell Decline, and Per-Parasite Pathogenicity. <i>Molecular Biology and Evolution</i> , <b>2018</b> , 35, 27-37	8.3	19
124	Contribution of APOBEC3G/F activity to the development of low-abundance drug-resistant human immunodeficiency virus type 1 variants. <i>Clinical Microbiology and Infection</i> , <b>2016</b> , 22, 191-200	9.5	18
123	High Rates of Subsequent Asymptomatic Sexually Transmitted Infections and Risky Sexual Behavior in Patients Initially Presenting With Primary Human Immunodeficiency Virus-1 Infection. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 66, 735-742	11.6	18
122	Impact of the M184V/I Mutation on the Efficacy of Abacavir/Lamivudine/Dolutegravir Therapy in HIV Treatment-Experienced Patients. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, ofz330	1	16
121	Rotating antibiotics does not minimize selection for resistance. <i>Mathematical Biosciences and Engineering</i> , <b>2010</b> , 7, 919-22	2.1	16
120	Inferring the age difference in HIV transmission pairs by applying phylogenetic methods on the HIV transmission network of the Swiss HIV Cohort Study. <i>Virus Evolution</i> , <b>2018</b> , 4, vey024	3.7	16
119	Kaposi Sarcoma Risk in HIV-Infected Children and Adolescents on Combination Antiretroviral Therapy From Sub-Saharan Africa, Europe, and Asia. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 63, 1245-1253	11.6	15

118	Genotypic Resistance Tests Sequences Reveal the Role of Marginalized Populations in HIV-1 Transmission in Switzerland. <i>Scientific Reports</i> , <b>2016</b> , 6, 27580	4.9	14
117	On the potential of a short-term intensive intervention to interrupt HCV transmission in HIV-positive men who have sex with men: A mathematical modelling study. <i>Journal of Viral Hepatitis</i> , <b>2018</b> , 25, 10-18	3.4	14
116	Impact of screening and antiretroviral therapy on anal cancer incidence in HIV-positive MSM. <i>Aids</i> , <b>2017</b> , 31, 1859-1866	3.5	13
115	Low prevalence of transmitted HIV-1 drug resistance detected by a dried blood spot (DBS)-based next-generation sequencing (NGS) method in newly diagnosed individuals in Cameroon in the years 2015-16. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 1917-1929	5.1	13
114	Monocyte-derived macrophages exhibit distinct and more restricted HIV-1 integration site repertoire than CD4(+) T cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 24157	4.9	13
113	Higher risk of incident hepatitis C virus coinfection among men who have sex with men, in whom the HIV genetic bottleneck at transmission was wide. <i>Journal of Infectious Diseases</i> , <b>2014</b> , 210, 1555-61	7	13
112	Antibacterial effects of antiretrovirals, potential implications for microbiome studies in HIV. <i>Antiviral Therapy</i> , <b>2018</b> , 23, 91-94	1.6	13
111	Assessing the danger of self-sustained HIV epidemics in heterosexuals by population based phylogenetic cluster analysis. <i>ELife</i> , <b>2017</b> , 6,	8.9	13
110	Predicting the evolution of sex on complex fitness landscapes. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000510	13	
109	Prevalence and risk factors of late presentation for HIV diagnosis and care in a tertiary referral centre in Switzerland. <i>Swiss Medical Weekly</i> , <b>2014</b> , 144, w13961	3.1	13
108	A Treatment-as-Prevention Trial to Eliminate Hepatitis C Among Men Who Have Sex With Men Living With Human Immunodeficiency Virus (HIV) in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e2194-e2202	11.6	13
107	Changing Trends in International Versus Domestic HCV Transmission in HIV-Positive Men Who Have Sex With Men: A Perspective for the Direct-Acting Antiviral Scale-Up Era. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, 91-99	7	13
106	A novel Acute Retroviral Syndrome Severity Score predicts the key surrogate markers for HIV-1 disease progression. <i>PLoS ONE</i> , <b>2014</b> , 9, e114111	3.7	12
105	The Role of Adherence and Retreatment in De Novo Emergence of MDR-TB. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004749	5	12
104	A Direct Comparison of Two Densely Sampled HIV Epidemics: The UK and Switzerland. <i>Scientific Reports</i> , <b>2016</b> , 6, 32251	4.9	11
103	Mortality from suicide among people living with HIV and the general Swiss population: 1988-2017. <i>Journal of the International AIDS Society</i> , <b>2019</b> , 22, e25339	5.4	11
102	Phylodynamics on local sexual contact networks. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005448	5	11
101	Postnatal retention in HIV care: insight from the Swiss HIV Cohort Study over a 15-year observational period. <i>HIV Medicine</i> , <b>2016</b> , 17, 280-8	2.7	11

100	Assessing the need for a pre-exposure prophylaxis programme using the social media app Grindr . <i>HIV Medicine</i> , <b>2017</b> , 18, 772-776	2.7	10
99	Viral Diversity Based on Next-Generation Sequencing of HIV-1 Provides Precise Estimates of Infection Recency and Time Since Infection. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, 254-265	7	10
98	Development of a high-throughput bead based assay system to measure HIV-1 specific immune signatures in clinical samples. <i>Journal of Immunological Methods</i> , <b>2018</b> , 454, 48-58	2.5	10
97	Dietary Patterns and Physical Activity Correlate With Total Cholesterol Independently of Lipid-Lowering Drugs and Antiretroviral Therapy in Aging People Living With Human Immunodeficiency Virus. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, ofy067	1	10
96	Large-scale inference of conjunctive Bayesian networks. <i>Bioinformatics</i> , <b>2016</b> , 32, i727-i735	7.2	10
95	Estimating the fitness cost of escape from HLA presentation in HIV-1 protease and reverse transcriptase. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002525	5	10
94	Efficient microbial colony growth dynamics quantification with ColTapp, an automated image analysis application. <i>Scientific Reports</i> , <b>2020</b> , 10, 16084	4.9	10
93	Modeling the effect of HIV coinfection on clearance and sustained virologic response during treatment for hepatitis C virus. <i>Epidemics</i> , <b>2015</b> , 12, 1-10	5.1	9
92	Similar impact of CD8+ T cell responses on early virus dynamics during SIV infections of rhesus macaques and sooty mangabeys. <i>PLoS Computational Biology</i> , <b>2010</b> , 6, e1000901	5	9
91	High Number of Potential Transmitters Revealed in a Population-based Systematic Hepatitis C Virus RNA Screening Among Human Immunodeficiency Virus-infected Men Who Have Sex With Men. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, 561-568	11.6	9
90	No Effect of Pegylated Interferon- $\alpha$ on Total HIV-1 DNA Load in HIV-1/HCV Coinfected Patients. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 1883-1888	7	8
89	Parent-offspring regression to estimate the heritability of an HIV-1 trait in a realistic setup. <i>Retrovirology</i> , <b>2017</b> , 14, 33	3.6	8
88	The impact of HCV therapy in a high HIV-HCV prevalence population: A modeling study on people who inject drugs in Ho Chi Minh City, Vietnam. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177195	3.7	8
87	Noninferiority of Simplified Dolutegravir Monotherapy Compared to Continued Combination Antiretroviral Therapy That Was Initiated During Primary Human Immunodeficiency Virus Infection: A Randomized, Controlled, Multisite, Open-label, Noninferiority Trial. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, 1409-1417	11.6	8
86	The Impact of Surgical Strategy and Rifampin on Treatment Outcome in Cutibacterium Periprosthetic Joint Infections. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 72, e1064-e1073	11.6	7
85	Repeated Syphilis Episodes in HIV-Infected Men Who Have Sex With Men: A Multicenter Prospective Cohort Study on Risk Factors and the Potential Role of Syphilis Immunity. <i>Open Forum Infectious Diseases</i> , <b>2020</b> , 7, ofaa019	1	7
84	Quantifying the impact of treatment history on plasmid-mediated resistance evolution in human gut microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 23106-23116	11.5	7
83	On the evolution of sexual reproduction in hosts coevolving with multiple parasites. <i>Evolution; International Journal of Organic Evolution</i> , <b>2010</b> , 64, 1644-56	3.8	7

82	Absenteeism and presenteeism in healthcare workers due to respiratory illness. <i>Infection Control and Hospital Epidemiology</i> , <b>2021</b> , 42, 268-273	2	7
81	Low compliance with hepatocellular carcinoma screening guidelines in hepatitis B/C virus co-infected HIV patients with cirrhosis. <i>Journal of Viral Hepatitis</i> , <b>2019</b> , 26, 1224-1228	3.4	6
80	Bridging the gap between HIV epidemiology and antiretroviral resistance evolution: Modelling the spread of resistance in South Africa. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1007083	5	6
79	Screening HIV-positive men who have sex with men for hepatitis C re-infection risk: is a single question on condom-use enough? A sensitivity analysis. <i>BMC Infectious Diseases</i> , <b>2019</b> , 19, 821	4	6
78	The impact of vaccination on the breadth and magnitude of the antibody response to influenza A viruses in HIV-infected individuals. <i>Aids</i> , <b>2015</b> , 29, 1803-10	3.5	6
77	Loss to follow-up of HIV-infected women after delivery: The Swiss HIV Cohort Study and the Swiss Mother and Child HIV Cohort Study. <i>Journal of the International AIDS Society</i> , <b>2014</b> , 17, 19535	5.4	6
76	Hepatitis C virus dynamics among intravenous drug users suggest that an annual treatment uptake above 10% would eliminate the disease by 2030. <i>Swiss Medical Weekly</i> , <b>2017</b> , 147, w14543	3.1	6
75	Importance of routine viral load monitoring: higher levels of resistance at ART failure in Uganda and Lesotho compared with Switzerland. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 468-472	5.1	6
74	Cohort Profile Update: The Swiss HIV Cohort Study (SHCS). <i>International Journal of Epidemiology</i> , <b>2021</b> ,	7.8	6
73	Prescription of Postexposure Prophylaxis for HIV-1 in the Emergency Room: Correct Transmission Risk Assessment Remains Challenging. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2017</b> , 74, 359-366	3.1	5
72	The TransFLUAs influenza transmission study in acute healthcare - recruitment rates and protocol adherence in healthcare workers and inpatients. <i>BMC Infectious Diseases</i> , <b>2019</b> , 19, 446	4	5
71	Assessing efficacy of different nucleos(t)ide backbones in NNRTI-containing regimens in the Swiss HIV Cohort Study. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 3323-31	5.1	5
70	Spontaneous reactivation of latent HIV-1 promoters is linked to the cell cycle as revealed by a genetic-insulators-containing dual-fluorescence HIV-1-based vector. <i>Scientific Reports</i> , <b>2018</b> , 8, 10204	4.9	5
69	A Method to Estimate the Size and Characteristics of HIV-positive Populations Using an Individual-based Stochastic Simulation Model. <i>Epidemiology</i> , <b>2016</b> , 27, 247-56	3.1	5
68	A highly virulent variant of HIV-1 circulating in the Netherlands.. <i>Science</i> , <b>2022</b> , 375, 540-545	33.3	5
67	Random forest machine learning algorithm predicts virologic outcomes among HIV infected adults in Lausanne, Switzerland using electronically monitored combined antiretroviral treatment adherence. <i>AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV</i> , <b>2021</b> , 33, 530-536	2.2	5
66	The Cumulative Impact of Harm Reduction on the Swiss HIV Epidemic: Cohort Study, Mathematical Model, and Phylogenetic Analysis. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, ofy078	1	5
65	A Systematic Phylogenetic Approach to Study the Interaction of HIV-1 With Coinfections, Noncommunicable Diseases, and Opportunistic Diseases. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, 244-253	7	4

64	Easy and Accurate Reconstruction of Whole HIV Genomes from Short-Read Sequence Data		4
63	Telomere Length, Traditional Risk Factors, Factors Related to Human Immunodeficiency Virus (HIV) and Coronary Artery Disease Events in Swiss Persons Living With HIV. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e2070-e2076	11.6	4
62	Quantifying Variation in Bacterial Reproductive Fitness: a High-Throughput Method. <i>MSystems</i> , <b>2021</b> , 6,	7.6	4
61	Modeling the measles paradox reveals the importance of cellular immunity in regulating viral clearance. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007493	7.6	4
60	Lower Broadly Neutralizing Antibody Responses in Female Versus Male HIV-1 Infected Injecting Drug Users. <i>Viruses</i> , <b>2019</b> , 11,	6.2	3
59	Cohort-Derived Machine Learning Models for Individual Prediction of Chronic Kidney Disease in People Living With Human Immunodeficiency Virus: A Prospective Multicenter Cohort Study. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 224, 1198-1208	7	3
58	Improved darunavir genotypic mutation score predicting treatment response for patients infected with HIV-1 subtype B and non-subtype B receiving a salvage regimen. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 1352-60	5.1	3
57	Quantifying the drivers of HIV transmission and prevention in men who have sex with men: a population model-based analysis in Switzerland. <i>HIV Medicine</i> , <b>2018</b> , 19, 688-697	2.7	3
56	Host Genomics of the HIV-1 Reservoir Size and Its Decay Rate During Suppressive Antiretroviral Treatment. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2020</b> , 85, 517-524	3.1	3
55	Predictors of Virological Failure and Time to Viral Suppression of First-Line Integrase Inhibitor-Based Antiretroviral Treatment. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e2134-e2141	11.6	3
54	Incidental Findings on Coronary Computed Tomography Angiography in Human Immunodeficiency Virus (HIV)-Positive and HIV-Negative Persons. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, ofy084	1	3
53	Mining for pairs: shared clinic visit dates identify steady HIV-positive partnerships. <i>HIV Medicine</i> , <b>2017</b> , 18, 667-676	2.7	2
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